
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 411

ARSENIC IN BAKING MATERIALS

NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

A. MCGILL,
Chief Analyst.

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ARSENIC IN BAKING MATERIALS

OTTAWA, July 29th, 1918.

GEO. W. TAYLOR, Esq.,
Asst. Deputy Minister of Inland Revenue.

SIR,—I beg to hand you a report upon the following classes of food materials, likely to contain phosphate of lime in their composition:

Baking Powders.. . . .	71 samples.
Self-raising Flour.. . . .	30 "
Cream of Tartar Substitutes.. . . .	12 "
So-called Egg Powders, etc..	39 "
Total.. . . .	152 "

In a recent report (1916-17) of the Medical Officer of the Local Government Board, London, England, Dr. A. W. J. MacFadden draws attention to the fact that in some 50 cases, Acid Calcium Phosphate, as used in Cream of Tartar substitutes, was found to contain excessive amounts of Arsenic, reaching 400 parts per million, and in one instance, 643 parts. On investigation it was found that all the firms producing the contaminated article were already aware of its character, and many of them had in their possession stocks of contaminated acid phosphate which had been returned to them, in consequence of the activities of the food inspectors. Instead of destroying this material, or employing it in uses where it could do no harm "it was found to be a common practice of manufacturers to dispose of acid phosphate which had turned out on their own analysis, to be considerably contaminated, by mixing it with another lot of the product which was free from, or only slightly contaminated with arsenic."

Acid calcium phosphate enters into the composition of most baking powders; and is largely employed in self-raising flours, pancake flours, cream of tartar substitutes, and other articles which are used as foods. Since sulphuric acid, which always contains arsenic is employed in its manufacture, it is to be expected that traces of arsenic will be found in acid calcium phosphate; and a tolerance of 5 parts per million

allowed by Order in Council of October, 1912 (G. 1048). The limit for baking powders is fixed at 2 parts per million, and although self-raising flours and egg powders are not specifically mentioned, it is reasonable to interpret this limit number as equally applying to them.

In my last report upon Baking Powders (see Bulletin No. 360, of January, 1917) the Arsenic content was not given, and the present report may be regarded as complementary to Bulletin No. 360.

It is satisfactory to know, as the result of the work now reported, that very few samples of the classes of food materials which are usually made with acid phosphate of lime, have been found to contain more than traces of arsenic. Only 6 samples are reported as yielding more than 1 part per million, and only one (1) sample is found to contain above 5 parts per million. This particular sample (No. 76259) is found to yield 25 parts per million, and must be regarded as adulterated. Its occurrence suffices to show the necessity for occasional inspection of phosphate-containing materials; and it is particularly at a time like the present, when chemical manufacturers are being pushed to the limit, that the use of raw material, not properly purified, may be expected.

I beg to recommend publication of this report as Bulletin No. 411.

I have the honour to be, Sir,
Your obedient servant,

A. MCGILL,
Chief Analyst.

BULLETIN No. 411—ARSENIC IN BAKING MATERIALS.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Coat.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.		Remarks and Opinion of the Chief Analyst.
				Quantity.	Cents.	Manufacturer.	Furnisher.		Arsenic. Parts per Million.	No. of Sample.	

DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.

1918.											
Mar.	1 Self Raising Flour	83342	H. W. Richardson, Windsor, N.S.	3 pags	45	F. F. Dalley Co., Hamilton.	A. & W. Smith, Halifax.	Royal Hygienic	None	83342	
"	1 Baking Powder.	83343	G. N. Vaughan, Windsor, N.S.	3 "	75	Payzant & King, Halifax.	"	Maple Leaf Brand	Trace.	83343	
"	1 Self Raising Flour.	83344	"	3 "	54	White Swan Co., Ltd., Toronto.	"	"	None.	83344	
"	12 Baking Powder.	83345	Corkum & Ritcey, Ltd., Halifax.	3 "	30	Coleman B. P. Co., Brockville.	"	Coleman's Special	0.1	83345	
"	12 Egg Substitute.	83346	"	3 "	43	S. H. Ewing & Son, Montreal.	"	Club Custard Egg Powder.	None	83346	
"	12 Baking Powder.	83347	R. B. Saxon & Co., Halifax.	3 "	30	A. W. Gillett Co., Ltd., Toronto.	"	Magic Brand	0.2	83347	
"	12 Cream of Tartar Substitute.	83348	W. H. Schwartz & Sons, Halifax.	3 "	21	Vendors	"	Crème Tartarine.	0.25	83348	
"	12 Baking Powder.	83349	Wm. Moore, Dartmouth, N.S.	3 "	12	W. M. D. Pearson, Halifax.	Mfr.	Woodill's Brand	0.2	83349	
"	13 "	83350	S. Thomson, Dartmouth, N.S.	3 "	36	McLaren's Ltd., Hamilton.	"	"	0.2	83350	
"	13 Egg Powder....	83351	"	3 "	75	The Imperial Co., Quebec.	Baile Bros., Halifax.	"	None.	83351	

DISTRICT OF THREE RIVERS—DR. V. P. LAVALLEE, INSPECTOR.

Jan.	17 Baking Powder.	8008	Wilfrid Brissette, St. Felix de Valois.	3 bxs.	90	E. W. Gillett Co., Toronto.	"	"	Less than one.	8008	
"	17 Self-Raising Flour.	8010	Albert Bellerose, St. Felix de Valois.	1 car-ton.	30	Brodie & Harvie, Montreal.	"	"	"	8010	

"	17 Baking Powder.	8011	Felix Chantagney, St. Felix 3 bxs.	30 Herron, Leblanc, J. J. Dufresne, Joliette.	"	8011
"	17 " "	8012	" " " 1 car- ton.	75 J. J. Duffy, Mon- treal.	"	8012
"	18 Self-Raising Flour.	8013	" " " 3 lbs.	30 Lariviere Bros., Mon- treal.	"	8013
"	18 Baking Powder.	8015	Xavier Dault, St. Felix 3 bxs. de Valois.	30 Windsor Coffee and Spice Steam Mills Co.	"	8015
"	19 " "	8018	G. H. Read, St. Felix de 3 "	75 Royal B. P. Co., New York.	"	8018
"	19 " "	8020	Leon Brunau, St. Felix de 3 "	30 Dominion B. P. Co., Montreal.	"	8020
"	19 Self-Raising Flour.	8025	Geo. Dufast, St. Felix de 1 car- ton.	55 Brodie & Harvie, Montreal.	"	8025
"	19 Baking Powder.	8026	" " " 3 bxs.	75 Standard Spice Co., Three Rivers.	"	8026
"	21 Eggerine.	8029	Ulderic Carignan, Three Rivers.	30 Canada Drug Co., Quebec.	None.	8029
"	21 Egg Powder.	8031	O. Carignan & Sons, Three Rivers.	75 Rose & Laflamme, Montreal.	None.	8031
"	22 Baking Powder.	8033	Weaner & Gelinas Co., Three Rivers.	75 L. A. Moisan, Que- bec.	Less than one.	8033
"	22 " "	8034	J. C. Poitras, Three Rivers.	45 Coleman B. P. Co., Brockville.	"	8034
"	22 Egg Powder.	8036	" " " 3 pkgs	75 Rola Products, Mon- treal.	None.	8036
"	23 Can. Egg Baking Powder.	8037	J. N. Godin, Three Rivers.	24 Le Moulin Economi- que, 1244 Ave. Papineau, Mon- treal.	Less than one.	8037
"	23 Egg Powder.	8038	" " " 3 "	57 Rose & Laflamme, Montreal.	None.	8038
"	23 Eggerine.	8039	" " " 3 pkgs	24 Canada Drug Co., Quebec.	"	8039
"	24 Baking Powder.	8041	" " " 3 bxs.	30 Integrity Mills, Tor- onto.	Less than one.	8041
"	24 Self Raising Flour.	8042	Arthur Beland, Three Rivers.	25 Ontario Mills, No. 8, Iberville, Montreal.	"	8042

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

Jan.	22 Egg Powder.	74378	E. St. Hilaire, 2236 Clark 3 pkgs St., Montreal.	30 La Cie Imperial, Quebec.	None.	74378
"	22 Eggine.	74379	" " " 3 "	30 C. T. Morrisey Co., Chicago.	"	74379
"	22 Baking Powder.	74380	D. Desjardins, 107 Bleury 3 tins. St., Montreal.	75 Victor B. P. Mills.	Less than one.	74380

BULLETIN No. 411—ARSENIC IN BAKING MATERIALS.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.		Remarks and Opinion of the Chief Analyst.
				Quantity.	Cents.	Manufacturer.	Furnisher.		Arsenic. Parts per Million.	No. of Sample.	

DISTRICT OF MONTEAL—Continued.

1918											
Jan. 24	Baking Powder.	74381	A. Mireault, 116 Mt. Royal 3 tins.	36				Ocean	Less than one.	74381	
"	24 Egg Powder....	74382	Ave. E., Montreal.	30		Le Moulin, Economique.			None.	74382	
"	24 Economic Powder.	74383	Granger & Collins, 151 3 "	45		The Economic Mills.			"	74383	
"	24 Self Raising Flour.	74384	Rachel St. E., Montreal	30		Lariviere Freres			Less than one.	74384	
"	24 Baking Powder.	74385	J. B. Valiquette, 16 Rachel St. E., Montreal.	24				King Brand	"	74385	
"	24 "	74386	A. Barabell, 1197 St. Dominique St., Montreal.	15		Diamond Starch Co.			1	74386	
"	24 Tartarine.....	74387	D. Endeberg, 1129 St. Dominique St., Montreal.	25		Vendors.....			Less than one.	74387	
			National Coffee & Spice Co., St. Paul St., Montreal.								

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

Jan. 19	Egg Powder, Comp.	80520	L. R. Mulligan, Billing's 3 tins.	45		Rola Products, Montreal.		Rola quality condensed evaporated fresh eggs and pure food colouring. Contents of package equal to 2 dozen fresh eggs.	None.	80520	
"	18 Teao.....	80522	" " " 3 pgs	45		The E. Kenberg Co., Cortland, N. Y.		Self Raising Flour.	Less than one	80522	
"	22 Baking Powder..	80523	O. Lemieux, Rue du Pont, 3 tins. Hull.	75		E. W. Gillett Co., Toronto.		Magic	"	80523	

[illegible]

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

Jan. 25	Baking Powder.	81072	Dalton Bros., 11 Front St. 3 cans E., Toronto.	60	Vendors	.....	Favorite.	.....	Less than one.	81072
" 25	"	81073	R. B. Hayhoe & Co., 47 Col- borne St., Toronto.	44	"	.....	Hayhoe's	.....	"	81073
" 31	"	81131	The McGregor Harris Co., 3 plugs Ltd., 90 Sherbourne St., Toronto.	24	"	.....	J.M.L.	.....	"	81131
" 31	"	81132	Pure Gold Mfg. Co., Ltd., 381 College St., Toronto.	21	"	Our 1900 Dairy	"	81132

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			Quantity.	Cents.	Manufacturer.	Furnisher.	Arsenic. Parts per Million.	No. of Sample.				
DISTRICT OF TORONTO—Concluded.												
1918.												
" 24	Egg Powders...	81081	N. Carmichael, 1158 Yonge St., Toronto.	3 "	75	Alfred Bird & S. n. Ltd., Birmingham, Eng.		Concentrated Egg Substitute, not made from eggs.	Less than one.	81081		
" 24	"	81082	R. Higgins & Sons, Ltd., 804 Yonge St., Toronto.	3 "	75	No Egg Co., Toronto		No-egg Egg Substitute.	None.	81082		
" 24	"	81083	Barrons Ltd., 728 Yonge St., Toronto.	3 "	75	Rose Lafamme Ltd., Montreal.		Rola Brand.	"	81083		
" 25	"	81120	Canada Brokerage Ltd., 593 Front St. E., Toronto.	3 "	75	Rola Products, Montreal.		Egg Powder Com-	"	81120		
" 25	"	81121	Armstrong Pafford Ltd., 363 Yonge St., Toronto.	3 "	25	A. N. Christy & Co., Newark.		Eggs. Egg Substitute artificially coloured.	"	81121		
" 25	"	81122	The Robt. Simpson Co., Ltd., Queen & Yonge St., Toronto.	3 "	38	Sutcliffe & Bingham, Ltd., Cornbrook, Manchester		Kkoyah Egg Substitute.	Less than one.	81122		
" 30	"	81123	W. J. Houston, 2407 Dundas St., Toronto.	3 "	60	Parisian Products Co., Fort Erie.		No egg, Egg Substitute.	None.	81123		
" 30	"	81124	Natter Bros., 1202 Bloor St. W., Toronto.	3 "	54	"		"	"	81124		
" 31	"	81125	G. H. Kerr, 408 Spadina Ave., Toronto.	3 "	15	E. J. Nation & Co., Ltd., Bristol.		"	"	81125		
" 31	Baking Powder	81133	The Lister Pure Food Co., Ltd., 1297 Queen St. W., Toronto.	3 cans	25	Vendors....		Comfort....	Less than one.	81133		
Feb. 1	"	81134	White Swan Spices & Cereals Ltd., 156 Pearl St., Toronto.	3 "	40	"		Loyal Canadian...	"	81134		
" 1	Self Raising Flour.	81145	F. Simpson & Son, 7341 Yonge St., Toronto.	1 pkge	18	The Ekenberg Co., Courtland, N. Y.		Teco....	"	81145		
Jan. 25	Cream of Tartar Substitute.	81089	Dalton Bros., 11 Front St. E., Toronto.	3 "	38	Vendors			2	81089	Maximum limit for arsenic.	

311	81136 The McGregor Harris Co., 3 Ltd., 90 Sherrbourne St., Toronto.	15	Providence Chemical Co., St. Louis.	Packages are in labelled and sold as Acid Phos- phate to bakers only.	Less than one.	81137	Maximum limit for arsenic.
" 31	81137 The Lister Pure Food Co., 3 Ltd., 1257 Queen St. W., Toronto.	25	Vendors		2	81137	Maximum limit for arsenic.
Feb. 1	81138 White Swan Spices & Cereals 3 cans Ltd., 156 Pearl St., Tor- onto.	30	"		Less than one.	81138	
Jan. 24 Self Raising Flour.	81097 W. C. Clark, 1146 Yonge St., 1 pge Toronto.	15	Aunt Jemima Mills Co., St. Joseph, Mo., U.S.A.		"	81097	
" 31	81098 Diadem Flour Co., 391 I Church St., Toronto.	13	Vendors		"	81098	
Feb. 1	81099 White Swan Spices & Cereals 1 Ltd., 159 Pearl St., Tor- onto.	13	"		"	81099	
" 1	81144 " " " 1 " 13	13	"		"	81144	

DISTRICT OF HAMILTON—H. J. DAGER, ACTING INSPECTOR.

Jan. 16 Baking Powder	81064 Lumsden Bros., 82 McNabb 3 cans. St., Hamilton.	70	Vendors	Purity	Less than one.	81064	Maximum limit for arsenic.
" 17	81065 Wm. Carroll's Grocery, 94 3 John St., N. Hamilton.	54	"	Alliance	"	81065	
" 18	81066 McLaren's Ltd., Park and 3 Merrick St., Hamilton.	25	Vendors	Lakeside	2	81066	Maximum limit for arsenic.
" 18	81067 R. DeLidg, 298 York St., 3 Hamilton.	36	I. X. L. Spice & Coffee Mills, Ltd., London	Sweetheart	Less than one.	81067	
" 18	81068 Bard & Co., 229 Catherine 2 lbs. St., Hamilton.	5	Vendors	Bulk	"	81068	
" 21	81069 S. Darch, 413 James St., N. 3 cans. Hamilton.	75	"	Maple Leaf	"	81069	
" 22	81070 Wm. Smye, Jr., 75 Wel- 3 lington St., Hamilton.	60	"		"	81070	
" 22	81071 Dalley Products Ltd., 75 3 Hughson St., N. Hamilton.	60	"	Kitchen Queen	"	81071	
" 16 Egg Powder	81074 Bristol, Somerville & Co., 73 3 pgs McNabb St., N. Hamilton.	46	Parisian Products Co., Ltd., Fort Erie	No-egg. Egg sub- stitute.	None	81074	
" 13	81075 Balfour, Smye & Co., Mc- 3 Nabb St., N. Hamilton.	56	Rola Products, Mont- real.	Egg Powder Com- pound. Equal to two dozen eggs.	"	81075	
" 16	81076 Lumsden Bros., 82 McNabb 3 St., Hamilton.	35	Parisian Products Co., Ltd., Fort Erie	No-egg. Egg sub- stitute.	"	81076	
" 17	81077 The Arcade, James St., N. 3 cans. Hamilton.	60	Holbrook & Co., Bir- mingham, Eng.	Imperial Egg Sub- stitute.	Less than one.	81077	

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				Quantity.	Cents.	Manufacturer.	Furnisher.				

DISTRICT OF HAMILTON—Concluded.

1918											
Jan. 17	Egg Powder	81078	Pebbles, Hobson & Co., Ltd., King and Market Sts., Hamilton.	3 cans.	75	The Canadian Egg-Save Co., Ltd., Toronto.		Eggsave	None	81078	
" 17	"	81079	W. R. Budge, 171 John St., S. Hamilton.	3 pkgs	75	C. T. Morrissey & Co., Chicago.		Engine. Artificially colored.	"	81079	
" 18	"	81080	Duff Stores, Ltd., 216 York St., Hamilton.	3 "	60	Alfred Bird & Sons, Ltd., Birmingham, Eng.		Concentrated Egg Substitute. Not made from eggs.	Less than one.	81080	
" 16	Cream of Tartar Substitute.	81084	Imperial Cocoa & Spice Co., Ltd., 83 McNabb St., N. Hamilton.	3 "	25	Vendors		Cream Tartar Compound.	1	81084	
" 18	"	81085	McLaren's, Ltd., Park and Merrick Sts., Hamilton.	3 "	45	"		"	Less than one.	81085	
" 17	Self Raising Flour.	81093	The Arcade, James St., N. Hamilton.	1 pkg.	15	White Swan Spice & C., Ltd., Toronto.		"	"	81093	
" 17	"	81094	Pebbles, Hobson & Co., Ltd., King and McNabb Sts., Hamilton.	1 "	15	"		"	"	81094	
" 17	"	81095	A. G. Bain & Co., 89 King St. E., Hamilton.	1 "	15	Bard & Co., Hamilton.		Red Ribbon Brand.	"	81095	
" 18	"	81096	R. Dolding, 298 York St., Hamilton.	1 "	15	Aunt Jemima Mills Co., St. Joseph, Mo.		"	"	81096	

DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR.

Jan. 16	Egg Substitute.	65384	Wyckoff & Gafney, London.	3 pkgs	60	Alfred Bird & Sons, Birmingham, Eng.			Less than one.	65384	
" 17	Baking Powder	65386	Mitchell's Grocery, London.	3 tins.	55	E. Gillett & Co., Toronto.		Magic	"	65386	

Jan. 10 Egg Substitute..	65388	White Swan S. & Co., Ltd.	3 tins.	one.	65388
17 Baking Powder	65388	White Swan S. & Co., Ltd.	3 tins.	"	65388

1 Self Raising Flour.	65389	White Swan S. & Co., Ltd.	3 pkgs.	"	65389
1 Baking Powder..	65391	W. H. Kerr & Son, London.	3 tins.	"	65391
" 17 "	65393	Janes & Treppie, London.	3 "	"	65393
" 18 "	81202	Legg & Gartshore, London.	3 "	"	81202
" 18 Egg Substitute..	81203	Alfred Johnson, London.	3 pkgs.	None	81203
" 22 Baking Powder..	81204	J. W. McKenzie, London.	3 tins.	Less than one.	81204
" 22 "	81205	W. B. H. Hanc, London.	3 "	"	81205
" 22 "	81207	G. B. Drake, London.	3 "	"	81207

DISTRICT OF MANITOBA—J. B. COSGROVE, INSPECTOR.

Jan. 22 Egg Substitute..	79690	W. S. Houston, 1630 Portage Ave., Winnipeg.	3 car.	Less than one.	79690
" 23 Baking Powder.	79691	T. W. Badger, 1056 Main St., Winnipeg.	3 "	"	79691
" 28 Self Raising Flour.	79692	Hudson's Bay Co., Winnipeg.	3 pkgs.	"	79692
" 29 Baking Powder	79693	C. F. McElhiney, 990 Portage Ave., Winnipeg.	3 cans.	"	79693
" 29 "	79694	C. G. Carter, 887 Westmain Ave., Winnipeg.	3 "	"	79694
" 29 "	79695	H. F. McKinley, 891 Westminister Ave., Winnipeg.	3 "	"	79695
" 30 "	79696	I. Brunstein, 148 Higgins Ave., Winnipeg.	3 pkgs.	"	79696
" 30 "	79697	W. H. Morgan, 140 Higgins Ave., Winnipeg.	3 "	"	79697
" 31 "	79698	J. W. Wright, 820 St. Matthew's Ave., Winnipeg.	3 "	"	79698
" 31 "	79699	E. A. Whaley, 843 Ellice Ave., Winnipeg.	3 "	"	79699
Feb. 1 Self Raising Flour.	79700	W. H. Stone Co., 648 Main St., Winnipeg.	3 "	"	79700

Alfred Bird & Co., Birmingham, Eng.	White Star Brand.	Less than one.	79690
White Star Mfg. Co., Winnipeg.	"	"	79691
Aunt Jemima Mills Co., St. Joseph, Mo., U.S.A.	"	"	79692
Old Standard Mfg. Co., Winnipeg.	"	"	79693
Eggo B.P. Co., Hamilton.	Carter's Pure.	"	79694
Blackwoods Ltd., Winnipeg.	"	"	79695
E. W. Gillett, Toronto.	Magie.	"	79696
Blue Ribbon Co., Ltd., Winnipeg.	Manufactured for Vendor.	"	79697
Hamiota F. M. Co., Hamiota, Man.	Bake-light Brand.	"	79698

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				Quantity.	Cents.	Manufacturer.	Furnisher.				

DISTRICT OF MANITOBA—Concluded.											
1918.											
Feb. 7	Baking Powder.	79709	H. E. Weldon, 383 Portage Ave., Winnipeg.	3pkgs.		75 Royal B.P. Co., New Jersey.			Less than one.	79709	
" 7	"	79710	W. J. Robinson, 857 Ave., Winnipeg.	"		75 Hamilton C. & S., Ltd., Hamilton.			"	79710	
" 11	"	79720	J. B. Coyle, 1118 Main St., Winnipeg.	"		150 Equal Egg Co., Vancouver.			"	79720	

DISTRICT OF SASKATCHEWAN L. H. HALL, J. M. DANIS, INSPECTORS.											
Feb. 11	Egg Powder....	83010	The Colonial Grocery Co., Regina.	3pkgs.		45 Sutcliffe & Bingham, Manchester.	McClure & Langley, Winnipeg.	Kkovah	Less than one.	83010	
" 11	"	83011	The Regina Trading Co., Regina.	"		45 Equal Egg Co., Ltd., Vancouver.	Cameron & Heap, Regina.	Equal-Egg..	"	83011	
" 12	Cream of Tartar Substitute.	83016	Campbell, Wilson & Strathdee, Regina.	3 cans.		60 Caverly Plumer Co., Lynn, Mass.	Wilson & Tinnesdale, Winnipeg.	Circle R. Brand...	"	83016	
" 11	Baking Powder.	83014	McLean Grocery Co., Ltd., Regina.	"		60 No Vary Products Co., Toronto.	Mfrs	No Vary "	"	83014	
" 11	"	83015	Cameron & Heap, Ltd., Regina.	"		60 Imperial C. & S. Co., Hamilton.	"	Trian "	"	83015	
" 12	"	83017	A. MacDonald Co., Regina.	"		65 Blue Ribbon, Ltd., Winnipeg.	"	Blue Ribbon Brand	"	83017	
" 13	"	83019	Stephen Bros., Regina.	"		75 H. R. MacKinnon Co., Ltd., Winnipeg.	"	Melrose Brand	"	83019	
Jan. 25	"	81815	R. J. McClellan, North Battleford.	"		75 Gold Standard Mfg. Co., Winnipeg.	"	"	"	81815	
" 25	Self Raising Flour.	81816	R. J. McClellan, North Battleford.	3pkgs.		60 Aunt Jenima Mills Co., St. Joseph, Mo., U.S.A.	"	"	"	81816	

25	Self Raising Flour.	81816	R. J. McCintion, North Battleford.	3 pkgs.	60	Aunt Jemima Mills Co., St. Joseph, Mo. U.S.A.	81816
25	Baking Powder.	81818	Tarbel Bros., North Battleford.	3 cans.	75	Eggo R. P. Co., Hamilton.	81818
"	Egg Powder.	81820	Pichel & Johnston, North Battleford.	"	60	Alfred Bird & Sons, Ltd., Birmingham, Eng.	81820
31	Self Raising Flour.	81822	D. Jones, North Battleford.	3 pkgs.	6	Aunt Jemima Mills Co., St. Joseph, Mo. U.S.A.	81822
31	Baking Powder.	81823	D. Jones, North Battleford.	3 cans.	75	Blue Ribbon, Ltd., Winnipeg.	81823
"	"	81824	White Star Grocery, Saskatoon.	"	75	H. L. MacKinnon, Winnipeg.	81824
"	Egg Powder	81826	White Star Grocery, Saskatoon.	"	150	Equal Egg Co., Ltd., Vancouver.	81826
"	Baking Powder.	81830	A. Wolshaw & Son, Saskatoon.	"	40	White Star B.P.	81830
"	"	81831	The Allied Store, Saskatoon.	"	70	Vendors.	81831
"	"	81834	Hock & Kaatzer, Rosthern.	"	30	Gold Standard, Mfg. Co., Winnipeg.	81834
"	"	81836	J. Kevanece, Rosthern.	0	60	E. W. Gillett Co., Toronto.	81836

DISTRICT OF VANCOUVER—G. G. ARMYTAGE, INSPECTOR.

Month	Item	Quantity	Manufacturer	Weight	Grade	Adulterated by excess arsenic.	Maximum limit for arsenic.
Jan.	23 Baking Powder.	3 cans.	J. A. Lowe, 1002 Seymour St., Vancouver.	3	pk.	76257	0.2
"	25 Equal Egg.....	"	T. A. Brewin, 1192 Hastings St. E., Vancouver.	3	"	76258	None
"	29 Eggo Baking Powder.	"	Annandale Supply Co., Westminister, B.C.	3	New	76259	25
"	29 Egg Substitute..	"	C. A. Welsh, Ltd., Westminister, B.C.	3	New	76260	None
Feb.	5 Self-Raising Flour.	3 pks.	S. T. Walla., 44 Hastings St., W. Vancouver.	3	pk.	76261	2
"	6 Pancake Flour..	"	David Spencer, Ltd., Hastings St., W. Vanc.	3	"	76262	4
"	7 Baking Powder.	"	Duke's Grocery, Gore, W. Vanc.	3	"	76263	5